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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/022,754	12/14/2001	Yevgeniy Eugene Shteyn	US018202	2525

7590 07/28/2004

Corporate Patent Counsel
Philips Electronics North America Corporation
580 White Plains Road
Tarrytown, NY 10591

EXAMINER

ZHOU, TING

ART UNIT PAPER NUMBER

2173

DATE MAILED: 07/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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AUG 09 2004

Technology Center 2100

Office Action Summary

Application No.

10/022,754

Applicant(s)

SHTEYN, YEVGENIY EUGENE

Examiner

Ting Zhou

Art Unit

2173

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/14/01, 08/04/03</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities: The reference to Fig. 6 on line 30 of page 7 is inappropriate since there are only five figures. For examination purposes, it is assumed that the reference is to Fig. 5.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Grover et al. U.S. Patent 5,818,437.

Referring to claims 1 and 7, Grover et al. teach a device and software application comprising an ambiguous first data input system configured to associate a first user input with a plurality of potential data (the set of nine data keys representing a plurality of letters and symbols yielding a plurality of matches for the entered keystroke) (column 1, lines 46-55, column 3, lines 66-67, column 4, lines 34-40 and Figure 1), a second data input system independent from the first data input system receiving a second user input (receiving user input via moving the cursor or highlight bar between the list of potential data with the “select key”, which is a system level input key that is

different from the set of data keys) (column 1, lines 55-58, column 4, lines 6-9 and 40-43), and a processing unit coupled to the first and second input systems for selecting one of the plurality of potential data from the second user input (the user selects one of the plurality of potential data using the "select" key 104 shown in Figure 1 and the processing unit of the portable computer subsequently inserts and displays the selected word in display area 101) (column 1, lines 55-58, column 4, lines 43-45 and Figure 2) .

Referring to claim 2, Grover et al. teach a display coupled to the processing unit and configured to display the selected potential data (display 602 shown in Figure 2) (column 3, lines 58-63).

Referring to claim 3, Grover et al. teach the first data input system comprises a real or virtual keyboard configured to associate a specific keystroke with a plurality of graphical characters (keypad with nine data keys, each associated with a plurality of letters and symbols) (column 1, lines 46-47, column 3, lines 66-67 and column 4, lines 34-37).

Referring to claim 4, Grover et al. teach the first data input system comprises a touch-sensitive screen (column 3, lines 58-63 and Figure 2).

Referring to claim 5, Grover et al. teach the second data input system is a stylus input system or a keystroke input system (the user can select the desired word from the word selection list using the keystroke input of the "select key" 104 on the touch-sensitive display) (column 1, lines 55-58, column 4, lines 43-45, column 9, lines 19-25 and Figure 1).

Referring to claim 6, Grover et al. teach the processing unit further determines the selected data based on a dictionary database internally or remotely accessed (the processor processes the keystroke sequence with a dictionary) (column 1, lines 51-55).

3. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. § 1.111(c) to consider these references fully when responding to this action. The documents cited therein teach similar methods of disambiguating user input.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ting Zhou whose telephone number is (703) 305-0328. The examiner can normally be reached on Monday - Friday 8:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (703) 308-3116. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


CAO (KEVIN) NGUYEN
PRIMARY EXAMINER

7 June 2004



2173
#4
SP
8-12-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Registered Inventor: SHTEYN, Eugene

Docket No.: US01 8202

PTO Application No.: 10/022,754 Conf.: Unknown Art Unit: Unknown

Date Filed: 12/14/2001

Examiner: Unknown

Title: INPUT OF DATA USING A COMBINATION OF DATA INPUT SYSTEMS

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Commissioner for Patents

P.O. Box 1450, Alexandria, VA 22313-1450

AUG 06 2003

Technology Center 2100

**TRANSMITTAL OF
INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97**

Sir:

Enclosed in this transmittal is an "Information Disclosure Statement by Applicant" and a copy of each of the documents listed thereon. These documents are considered to be relevant in that they have been cited as an "X" or "Y" document in a foreign Patent Office search report on a foreign counterpart application, a copy of which report is also enclosed.

☒ I hereby certify that these documents were cited in said search report not more than three (3) months prior to the filing of this information disclosure statement.

This disclosure is not an admission that any of these documents is material to or even prior art with respect to the above-referenced application.

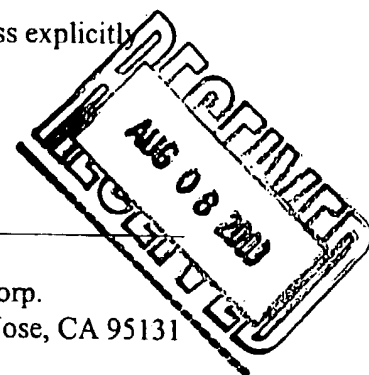
The Commissioner is hereby requested and authorized pursuant to 37 CFR §1.136(a)(3), to treat any concurrent or future reply in this application requiring a petition for extension of time for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. Please charge any additional fees which may now or in the future be required in this application, including extension of time fees, but excluding the issue fee unless explicitly requested to do so, and credit any overpayment, to Deposit Account No. 14-1270.

Date: 7/30/03

Respectfully submitted,

By

Chris Horgan, Reg. No. 40,394
Philips Electronics North America Corp.
1109 McKay Drive, M/S-41SJ, San Jose, CA 95131
(408) 474-9072



CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" on the date indicated below.

(Date)

7/31/2003

(Signature)

(Name)

Daniel L. Michalek

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE				Atty. Docket No. US018202		Serial No.								
				Applicant YEVGENIY EUGENE SHTEYN										
				Filing Date CONCURRENTLY		Group								
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)														
U.S. PATENT DOCUMENTS														
Ex. Int.		Document Number							Date	Name	Class	Sub- class	Filing Date If Approp.	
T.E.	AA	5	9	5	2	9	4	2	09/14/99	BALAKRISHNAN	—	—		
T.E.	AB	6	3	0	7	5	4	9	10/23/01	KING ET AL	—	—		
T.E.	AC	6	2	8	5	7	8	5	09/04/01	BELLEGARDA ET AL	—	—		
T.E.	AD	6	3	0	7	5	4	8	10/23/01	FLINCHEM ET AL	—	—		
	AE													
	AF													
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	AH													
	AI													
	AJ													
	AK													
OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)														
	AL													
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Examiner <i>Thy j m</i>										Date Considered <i>7/6/04</i>				
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.														

Jc503 U.S. PTO
 10/02/2754
 12/14/01



**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number	10/022,754
Filing Date	12/14/2001
First Named Inventor	SHTEYN, Eugene
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	US01 8202

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number No.-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns Lines, Where Relevant Passages or Relevant Figures Appear
T. Z.		US- 5 864 808	01-26-1999	ANDO, Haru et al.	RECEIVED
T. Z.		US- 6 259 436	07-10-2001	MOON, Billy G. et al.	AUG 06 2003
T. Z.		US- 5 953 541	09-14-1999	GRUNBOCK, Cheryl A et al.	Technology Center 2100
T. Z.		US- 6 260 015	07-10-2001	VANBUSKIRK, Ronald et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number (ctry ³ -no. ⁴ -kind ⁵ , if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of cited document	Pages, Columns Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
T. Z.		WO 01 82043	11-01-2001	VANDERMEIJDEN, Tom R.		

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in capital letters), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶

Examiner Signature	<i>Ting Zhu</i>	Date Considered	<i>7/6/04</i>
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

#2

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

To Commissioner For Patents

Enclosed herewith is a Form PTO-1449, required copies of documents listed thereon.

Application Number	UNKNOWN
Filing Date	CONCURRENTLY
First Named Inventor	YEVGENIY E. SHTEYN
Group Art Unit	NOT ASSIGNED
Examiner Name	NOT ASSIGNED
Attorney Docket Number	US018202

These documents may be relevant in that they have been:

- ☐ Considered in drafting the specification of the above-Referenced application;
- ☒ cited in the specification of the above-referenced application;
- ☐ previously submitted or cited in U.S. patent application(s) _____ which are relied on for an earlier effective filing date under 35 U.S.C. 120 (no copy required); or
- ☐ cited as an "X" or "Y" document in a foreign Patent Office search report on a foreign counterpart application, a copy of which report is also enclosed;
- ☐ I hereby certify that these documents were first cited in any communication with a foreign Patent Office for a counterpart foreign application not more than three (3) months ago;
- ☐ Otherwise a concise explanation of the relevance of each document is append hereto.
- ☐ I hereby certify that not one of these documents was cited in any communication with a foreign Patent Office nor was any known to any individual designated in §1.56(c) more than three (3) months ago.

Jc503 U.S. PTO
10/022754
12/14/01

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print Type)	PETER ZAWILSKI	Registration No. (Attorney/Agent)	43,305
Signature	<i>Peter Zawilski</i>	Date	DECEMBER 14, 2001

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE				Atty. Docket No. US018202		Serial No.								
				Applicant YEVGENIY EUGENE SHTEYN										
				Filing Date CONCURRENTLY		Group								
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	AD	6	3	0	7	5	4	8	10/23/01	FLINCHEM ET AL				
	AE													
	AF													
FOREIGN PATENT DOCUMENTS														
		Document Number							Date	Country	Class	Sub- class	Trans.	
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	AH													
	AI													
	AJ													
	AK													
OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)														
	AL													
	AM													
	AN													
Examiner										Date Considered				
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 10/02/2754
 12/14/01

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To Commissioner For Patents
Endosed herewith is a Form PTO-1449, required copies of documents listed thereon.

Application Number	UNKNOWN
Filing Date	CONCURRENTLY
First Named Inventor	YEVGENIY E. SHTEYN
Group Art Unit	NOT ASSIGNED
Examiner Name	NOT ASSIGNED
Attorney Docket Number	US018202

These documents may be relevant in that they have been:

- ☐ Considered in drafting the specification of the above-Referenced application;
- ☒ cited in the specification of the above-referenced application;
- ☐ previously submitted or cited in U.S. patent application(s) which are relied on for an earlier effective filing date under 35 U.S.C. 120 (no copy required); or
- ☐ cited as an "X" or "Y" document in a foreign Patent Office search report on a foreign counterpart application, a copy of which report is also enclosed;
- ☐ I hereby certify that these documents were first cited in any communication with a foreign Patent Office for a counterpart foreign application not more than three (3) months ago;
- ☐ Otherwise a concise explanation of the relevance of each document is append hereto.
- ☐ I hereby certify that not one of these documents was cited in any communication with a foreign Patent Office nor was any known to any individual designated in §1.56(c) more than three (3) months ago.

Jc503 U.S. PTO
10/022754
12/14/01

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print Type)	PETER ZAWILSKI	Registration No. (Attorney/Agent)	43,305
Signature	<i>Peter Zawilski</i>	Date	DECEMBER 14, 2001

Notice of References Cited

Application/Control No.

10/022,754

Applicant(s)/Patent Under

Reexamination

SHTEYN, YEVGENIY EUGENE

Examiner

Ting Zhou

Art Unit

2173

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,818,437	10-1998	Grover et al.	345/811
	B	US-6,288,718	09-2001	Laursen et al.	345/800
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.